

CLAIM AMENDMENTS

1. (Currently Amended) An air flow directing baffle that is inserted into a casing shell of an air cooled dynamoelectric device to direct a flow of cooling air across the dynamoelectric device, the baffle comprising:

a plate having opposite sides with an interior surface on one side of the plate that faces toward the dynamoelectric device when the baffle is installed in the casing shell, and an opposite exterior surface on an opposite side of the plate, a center hole with a center axis passing through the plate, an inner edge of the plate extending around the center hole and an outer edge of the plate extending around an outer perimeter of the plate, and an annular lip that extends around the center hole and projects axially outwardly from the interior surface on the one side of the plate.

2. (Currently Amended) An air flow directing baffle that is inserted into a casing shell of an air cooled dynamoelectric device to direct a flow of cooling air across the dynamoelectric device, the baffle comprising:

a plate having an interior surface that faces toward the dynamoelectric device when the baffle is installed in the casing shell, and an opposite exterior surface, a center hole with a center axis passing through the plate, an inner edge of the plate extending around the center hole and an outer edge of the plate extending around an outer perimeter of the plate, and an annular lip that extends around the center hole and projects outwardly from the interior surface,

~~The baffle of Claim 1, further comprising:~~

the annular lip having a convex surface.

3. (Original) The baffle of Claim 2, further comprising:

the convex surface of the lip extending to the inner edge of the plate.

4. (Original) The baffle of Claim 2, further comprising:
the plate interior surface having a flat, annular portion and the lip convex surface merging as a continuous surface into the flat, annular portion of the plate interior surface.

5. (Original) The baffle of Claim 2, further comprising:
the convex surface of the lip being spaced from the dynamoelectric device when the baffle is inserted into the casing shell.

6. (Original) The baffle of Claim 1, further comprising:
a cylindrical rim extending around the outer edge of the plate and the rim being dimensioned for a tight fit to the casing shell when the baffle is inserted into the casing shell.

7. (Currently Amended) An air flow directing baffle that is inserted into a casing shell of an air cooled dynamoelectric device to direct a flow of cooling air across the dynamoelectric device, the baffle comprising:
a plate having an interior surface that faces toward the dynamoelectric device when the baffle is installed in the casing shell, and an opposite exterior surface, a center hole with a center axis passing through the plate, an inner edge of the plate extending around the center hole and an outer edge of the plate extending around an outer perimeter of the plate, an annular lip that extends around the center hole and projects outwardly from the interior surface, a cylindrical rim extending around the outer edge of the plate and the rim being dimensioned for a tight fit to the casing shell when the baffle is inserted into the casing shell,

The baffle of Claim 6, further comprising:

the cylindrical rim projecting axially outwardly from the plate interior surface.

8. (Currently Amended) An air flow directing baffle that is inserted into a casing shell of an air cooled dynamoelectric device to direct a flow of cooling air across the dynamoelectric device, the baffle comprising:

a plate having an interior surface that faces toward the dynamoelectric device when the baffle is installed in the casing shell, and an opposite exterior surface, a center hole with a center axis passing through the plate, an inner edge of the plate extending around the center hole and an outer edge of the plate extending around an outer perimeter of the plate, an annular lip that extends around the center hole and projects outwardly from the interior surface, a cylindrical rim extending around the outer edge of the plate and the rim being dimensioned for a tight fit to the casing shell when the baffle is inserted into the casing shell,

~~The baffle of Claim 6, further comprising:~~

the cylindrical rim having an annular concave surface that merges into the plate interior surface.

9-15. (Cancelled)

16. (Original) An air cooled dynamoelectric device comprising:

a casing shell having opposite interior and exterior surfaces, a center axis and axially opposite end openings;

a stator secured inside the casing shell with the casing shell interior surface surrounding the stator, the stator having wiring end turns at axially opposite ends of the stator;

a plate secured to the casing shell, the plate having an interior surface that faces toward the stator and an opposite exterior surface, a center hole passing through the plate with an inner edge of the plate extending around the center hole, and an annular lip extending around the center hole and projecting axially outwardly from the plate interior surface toward the stator.

17. (Original) The dynamoelectric device of Claim 16, further comprising:
the annular lip having a convex surface.
18. (Original) The dynamoelectric device of Claim 17, further comprising:
the convex surface of the lip extending to the inner edge of the plate.
19. (Original) The dynamoelectric device of Claim 17, further comprising:
the plate interior surface having a flat, annular portion and the lip convex surface
merging as a continuous surface into the flat, annular portion of the plate interior surface.
20. (Original) The dynamoelectric device of Claim 17, further comprising:
the convex surface of the lip being axially spaced from the stator.
21. (Original) The dynamoelectric device of Claim 17, further comprising:
the convex surface of the lip being axially opposite and spaced from the stator
wiring end turns.
22. (Original) The dynamoelectric device of Claim 16, further comprising:
a cylindrical rim extending around an outer perimeter of the plate, the cylindrical
rim being tight fit against the casing shell interior surface securing the plate to the casing shell.
23. (Previously Presented) The dynamoelectric device of Claim 22, further
comprising:
the cylindrical rim projecting axially outwardly from the plate interior surface.

24. (Previously Presented) The dynamoelectric device of Claim 22, further comprising:
the cylindrical rim having an annular concave surface that merges into the plate interior surface.

25-31. (Cancelled)

32. (New) The dynamoelectric device of Claim 16, further comprising:
the stator having a center bore through the stator; and,
the plate center hole being larger than the stator center bore.

33. (New) The dynamoelectric device of Claim 16, further comprising:
the interior surface of the plate having a flat surface portion, and the annular lip projecting outwardly from the flat surface portion of the plate.

34. (New) The dynamoelectric device of Claim 33, further comprising:
the annular lip having a convex surface that merges with the flat surface portion of the plate.

35. (New) The dynamoelectric device of Claim 16, further comprising:
the annular lip opposing the stator wiring and turns.

36. (New) The dynamoelectric device of Claim 16, further comprising:
the stator having a center bore through the stator;
a rotor in the casing in the stator center bore for rotation of the rotor in the stator center bore, the rotor having a shaft projecting from the stator center bore;

a fan mounted on the rotor shaft in the casing for rotation of the fan with the rotor shaft in the casing; and,

the fan having an outer periphery that is larger than the plate center hole.

37. (New) The dynamoelectric device of Claim 36, further comprising:
the plate exterior surface opposing the fan.

REMARKS

In the Office Action of Paper No. 8, new claims 25-31 were withdrawn by the Examiner as a result of a restriction requirement made by the Examiner between the new claims 25-31 and claims 1-8 and 16-25 previously pending in the application. Claims 25-31 have been cancelled herein.

Claims 1 and 6 were rejected under 35 U.S.C. § 102(b) as being anticipated by the U.S. Patent of Daniels No. 5,563,461. Claim 1 has been amended herein.

It is respectfully submitted that amended claim 1, and its dependent claim 6, are not anticipated or made obvious by the disclosure of the Daniels reference or the other prior art of record in the application, and therefore claims 1 and 6 are allowable over the prior art.

Claim 1 has been amended to set forth that the plate of the air flow directing baffle has opposite sides with an interior surface on one side of the plate that faces toward the dynamoelectric device when the baffle is inserted into the casing shell of the device, and an exterior surface on an opposite side of the plate. The annular lip extends around the plate center hole and projects axially outwardly from the plate interior surface on the one side of the plate. These amendments were made to claim 1 to make clear that the annular lip projected axially outwardly from the surface of the plate that faces toward the dynamoelectric device when the baffle is inserted into the casing shell of the device. Thus, claim 1 defines a baffle plate having the structural features of an interior surface on one side of the plate that faces toward the dynamoelectric device when the baffle is installed in the casing shell of the device. In addition, claim 1 sets forth that the annular lip of the plate extends around the center hole of the plate and projects axially outwardly from the interior surface on the one side of the plate that faces toward the dynamoelectric device when the baffle is installed.

This is in contrast to what is disclosed by the Daniels reference. The Daniels reference discloses a baffle 31 that is mounted in a motor shell 3. The baffle has an upper surface 35 that opposes a dynamoelectric device 5, 9 when installed in the shell 3 of the device. However, the

Daniels reference discloses the baffle upper surface 35 sloping away from the dynamoelectric device as it extends radially inwardly from its peripheral edge as shown in Figure 3 and described in column 3, lines 17-19 of the Daniels specification. An axial surface 37 at the radially inner edge of the upper surface 35 extends axially away from the dynamoelectric device. Thus, the Daniels reference not only does not disclose or suggest an annular lip that projects axially outwardly from an interior surface of a baffle plate that faces toward the dynamoelectric device when the baffle is installed in the casing shell of the device as required by claim 1, but teaches the exact opposite of this structure. In view of this, the Daniels reference does not anticipate or make obvious the subject matter of amended claim 1, and claim 1 is therefore allowable over the Daniels reference and the remaining prior art of record in the application.

Claim 6 depends from claim 1 and therefore is allowable over the prior art of record for the same reasons set forth above with regard to claim 1.

In the Office Action, claims 16-24 were allowed. Claims 2-5, 7 and 8 were objected to for depending from a rejected base claims, but were indicated as being allowable if amended to include the subject matter of the base claim and any intervening claims.

Claim 2 has been amended into independent form herein incorporating all of the subject matter of claim 1 into claim 2. Claims 7 and 8 have each been amended into independent form herein, incorporating all of the subject matter of claims 1 and 6 into each of claims 7 and 8. It is therefore respectfully submitted that claims 2, 7 and 8 are allowable over the prior art of record.

Claims 3-4 depend from claim 2 and therefore are also allowable over the prior art of record for the reasons set forth above.

New claims 32-37 have been added by this amendment. New claims 32-37 all depend from previously allowed independent claim 16, and therefore are also allowable over the prior the art of record.

It is respectfully submitted that in view of the amendments and remarks presented herein, claims 1-8, 16-24, and 32-37 are allowable over the prior art and favorable action is requested.

Respectfully submitted,
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